

4.2.K. 06010201240.

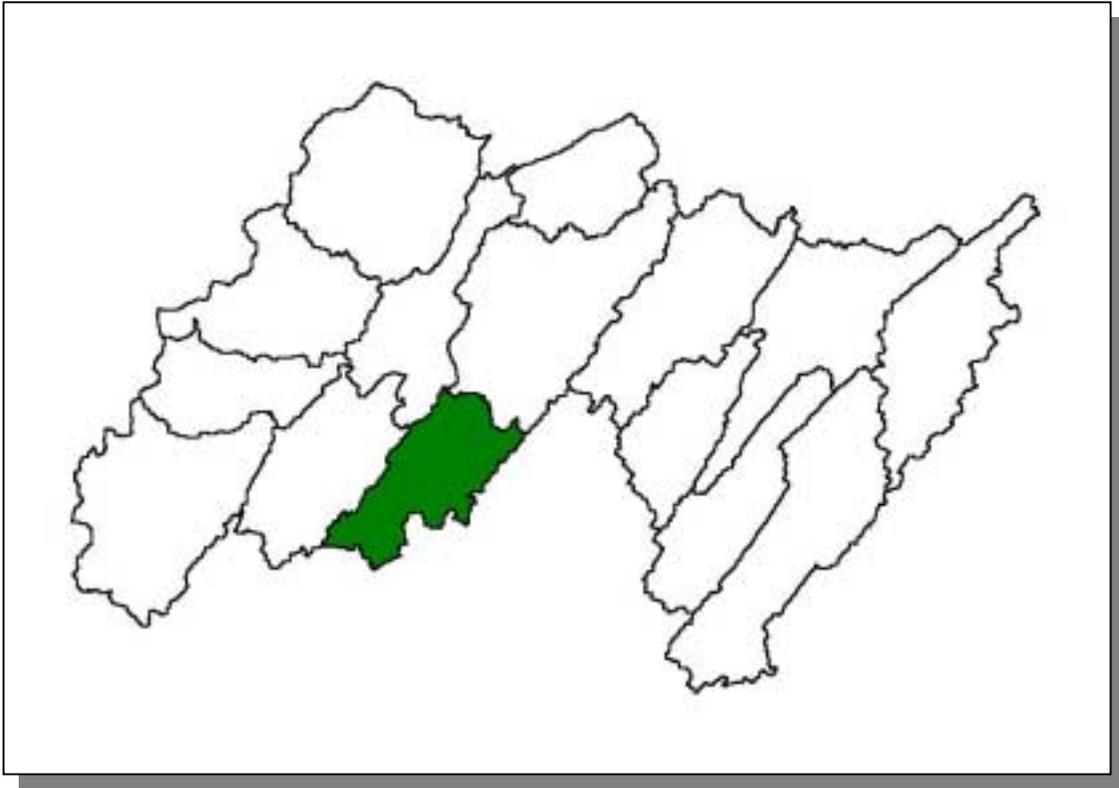


Figure 4-55. Location of Subwatershed 06010201240. All Watts Bar HUC-14 subwatershed boundaries are shown for reference.

4.2.K.i. General Description.

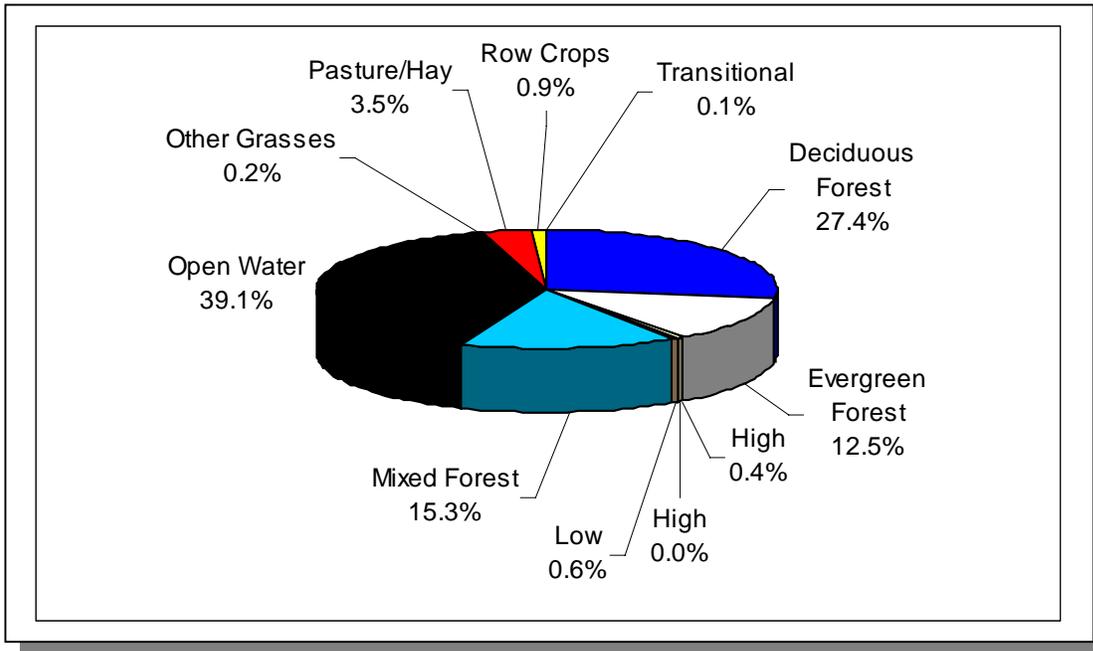


Figure 4-56. Land Use Distribution in Subwatershed 06010201240. More information is provided in Watts Bar-Appendix IV.

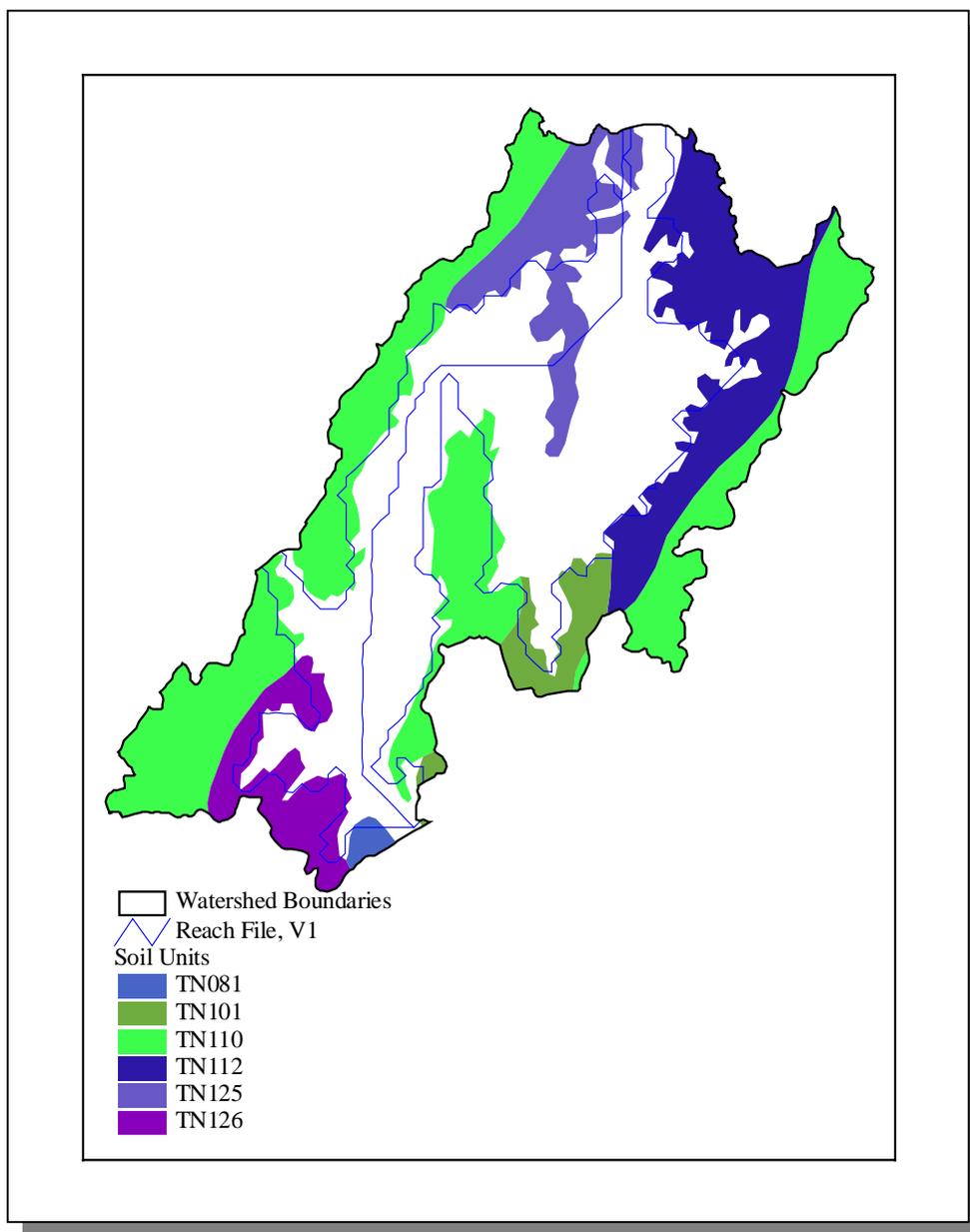


Figure 4-57. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 06010201240.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN081	2.00	C	1.41	5.48	Silty Loam	0.35
TN101	0.00	B	1.71	5.39	Loam	0.35
TN110	0.00	B	2.22	4.96	Loam	0.31
TN112	2.00	C	2.36	5.09	Loam	0.35
TN125	0.00	C	8.50	5.00	Sandy Loam	0.20
TN126	19.00	C	1.30	5.12	Loam	0.33

Table 4-70. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 06010201240. More information is provided in Watts Bar-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Meigs	8,033	9,690	8.10	650	785	20.8
Rhea	24,344	27,672	5.42	1,319	1,499	13.6
Roane	47,227	49,885	<0.1	2	2	0.0
Totals	79,604	87,247				16.0

Table 4-71. Population Estimates in Subwatershed 06010201240.

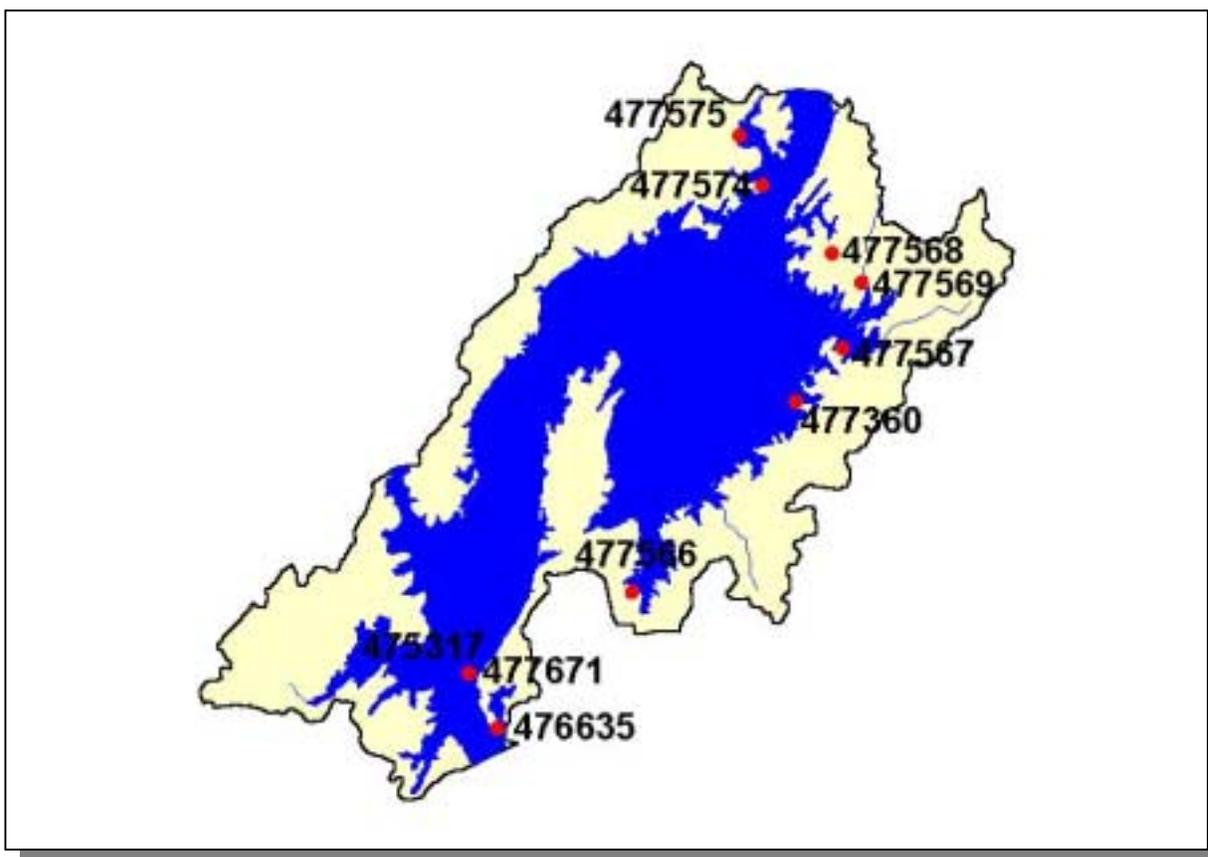


Figure 4-58. Location of STORET Monitoring Sites in Subwatershed 06010201240. More information is provided in Watts Bar-Appendix IV.

4.2.K.ii. Point Source Contributions.

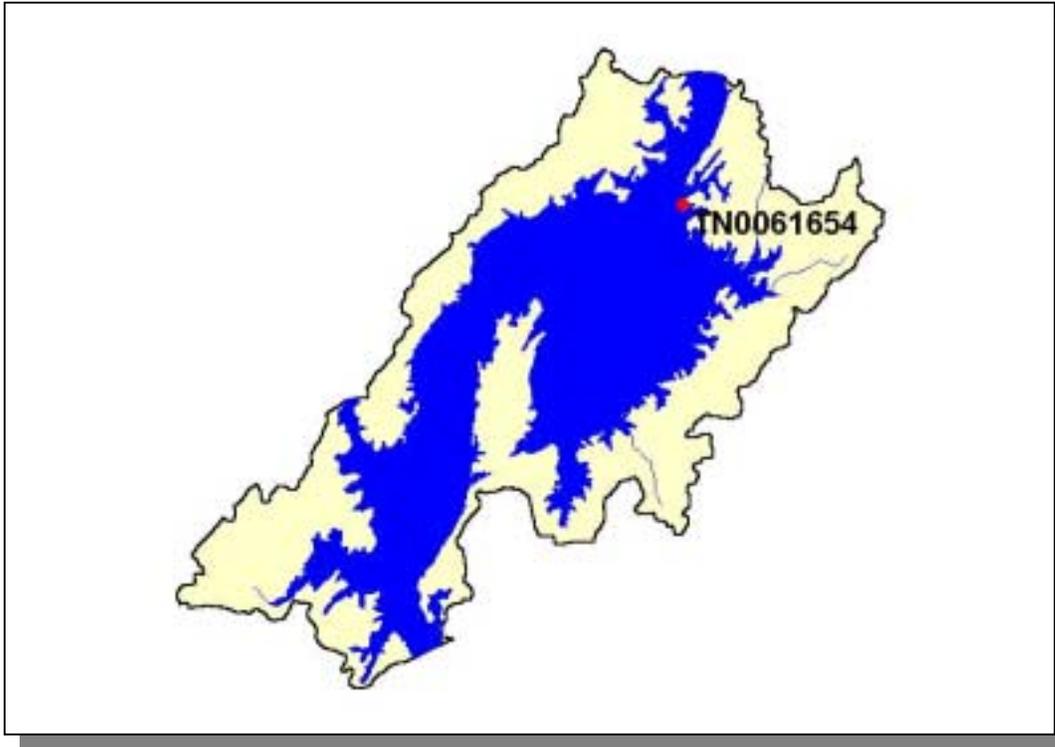


Figure 4-59. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 06010201240. More information, including the names of facilities, is provided in Watts Bar-Appendix IV.

4.2.K.ii.a. Dischargers to Water Bodies Listed on the 1998 303(d) List

There is one NPDES facilities discharging to water bodies listed on the 1998 303(d) list in Subwatershed 06010201240:

- TN0061654 discharges to Tennessee River @ RM 541.5

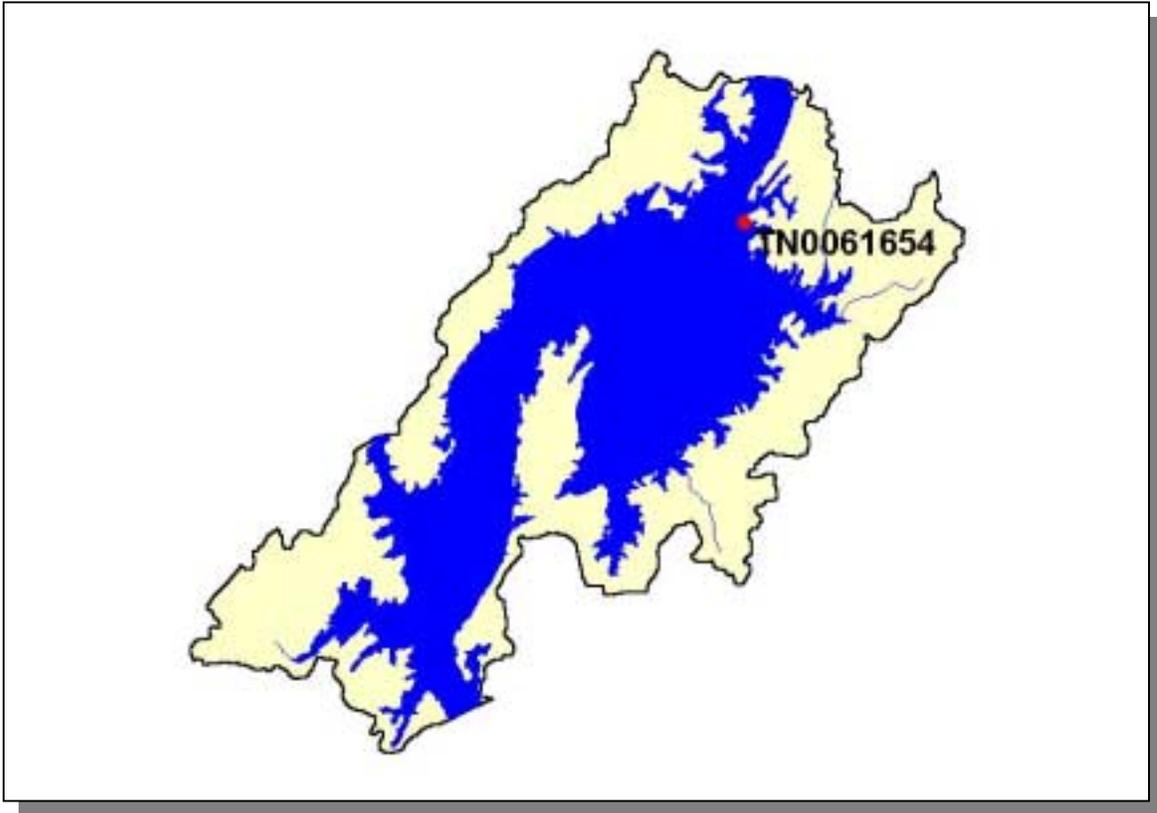


Figure 4-60. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 06010201240. The names of facilities are provided in Watts Bar-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN	QLTA
TN0061654				0.03	0.0004

Table 4-72. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06010201240. Data are in million gallons per day (MGD). 30Q2 data were obtained by using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD ₅	FECAL
TN0061654	X	X

Table 4-73. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06010201240.

4.2.K.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)			
Beef Cow	Cattle	Milk Cow	Hogs
83	187	11	13

Table 4-74. Summary of Livestock Count Estimates in Subwatershed 06010201240. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Meigs	83.0	83.0	0.2	0.0
Rhei	126.5	126.4	1.7	4.7
Roane	153.1	153.1	1.7	5.1
Total	362.6	363.5	3.6	9.8

Table 4-75. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 06010201240.

CROP	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Legume Grass (Hayland)	0.11
Grass (Pastureland)	0.31
Legume (Pastureland)	0.23
Grass, Forbs, Legumes (Mixed Pasture)	0.21
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.28
Corn (Row Crops)	2.34
Soybeans (Row Crops)	4.06
Wheat (Close Grown Cropland)	8.50
Forest Land (Grazed)	0.00

Table 4-76. Annual Estimated Total Soil Loss in Subwatershed 06010201240.